

FIG. 4a

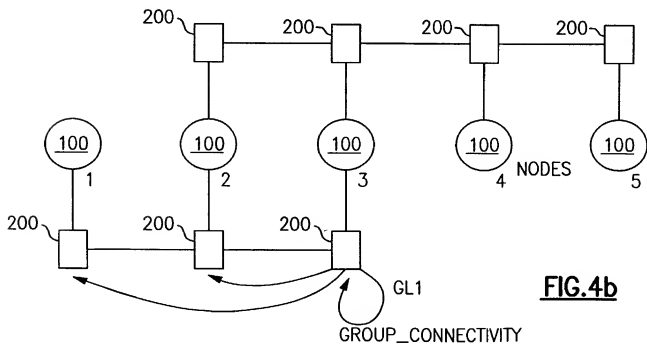


FIG. 4b

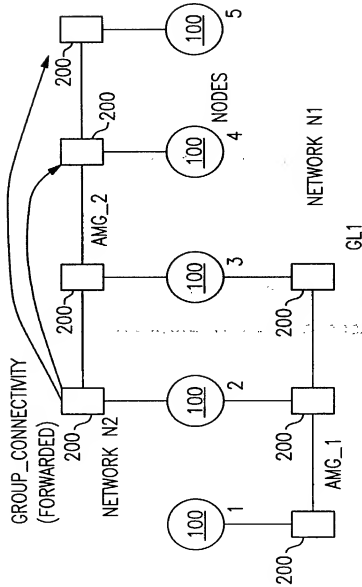
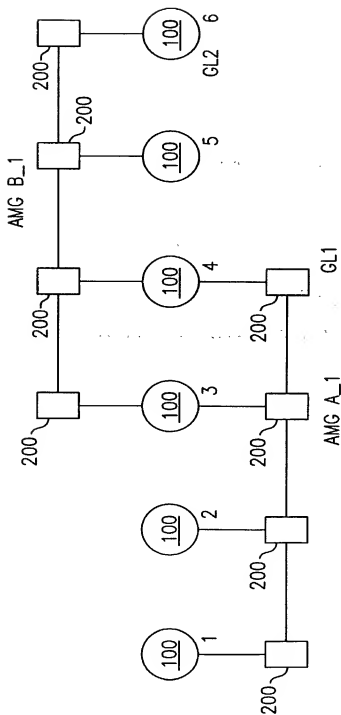


FIG. 4c



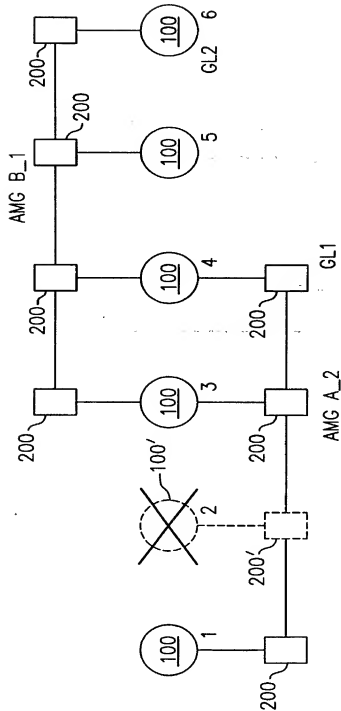


1 2 3 4 5 6

NCT AT NODE 5

| | | | | | |
|-----|-----|-----|-----|-----|-----|
| | | B_1 | B_1 | B_1 | B_1 |
| A_1 | A_1 | A_1 | A_1 | | |

FIG.5a

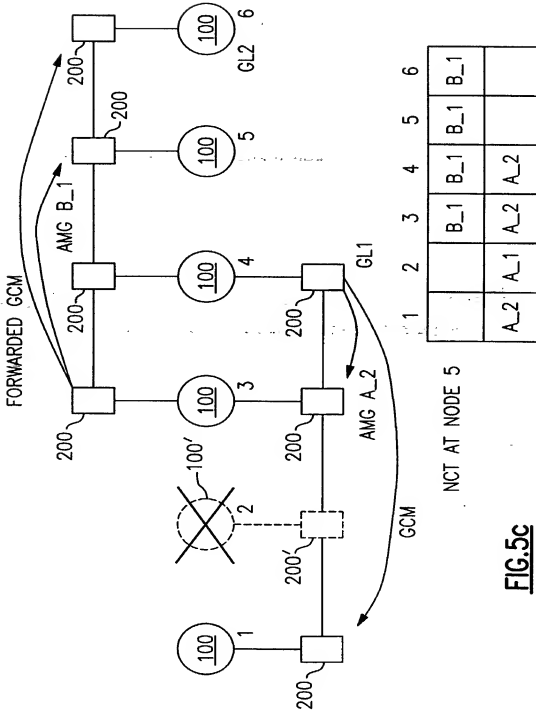


1 2 3 4 5 6

NCT AT NODE 5

| | | | | | |
|-----|-----|-----|-----|-----|-----|
| | | | | | |
| A_1 | A_1 | A_1 | B_1 | B_1 | B_1 |

FIG.5b



NETWORK A: 10 SECONDS DETECTION TIME
NETWORK B: 40 SECONDS DETECTION TIME

NODES 1 AND 2 ARE FORMING AMGs ON NETWORKS A AND B

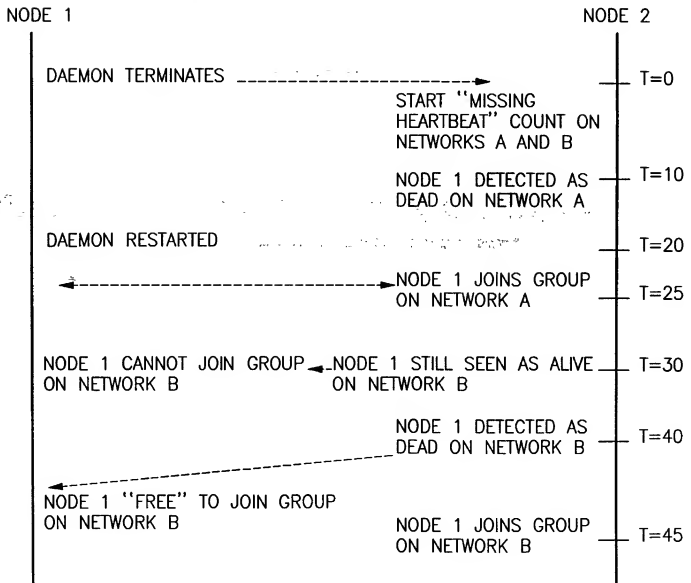
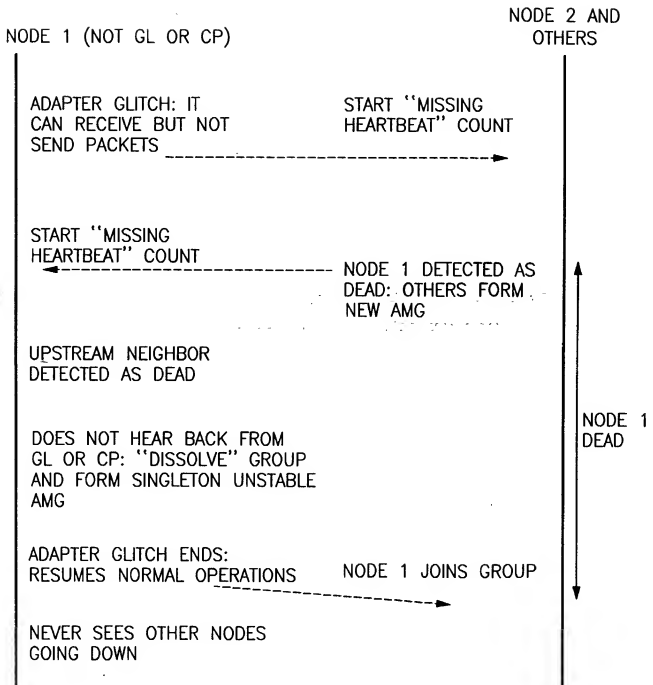


FIG.6

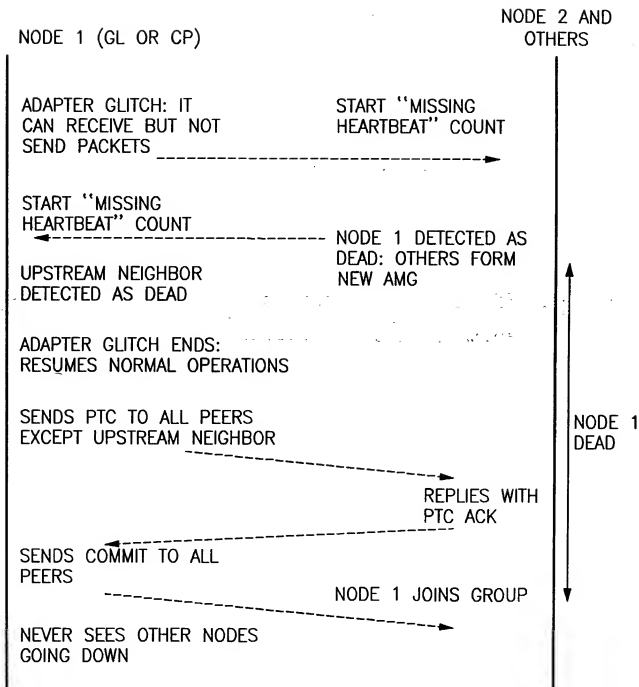
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10078076.050903

FIG.7

12/25

12078074 050902

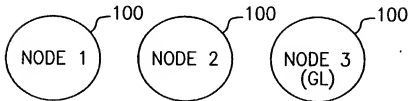
FIG.8

ADAPTER
IDs

| |
|---------|
| 1.1.1.1 |
| 14380 |

| |
|---------|
| 1.1.1.1 |
| 12390 |

| |
|---------|
| 1.1.1.3 |
| 14336 |

GROUP
IDs

| |
|---------|
| 1.1.1.3 |
| 15389 |

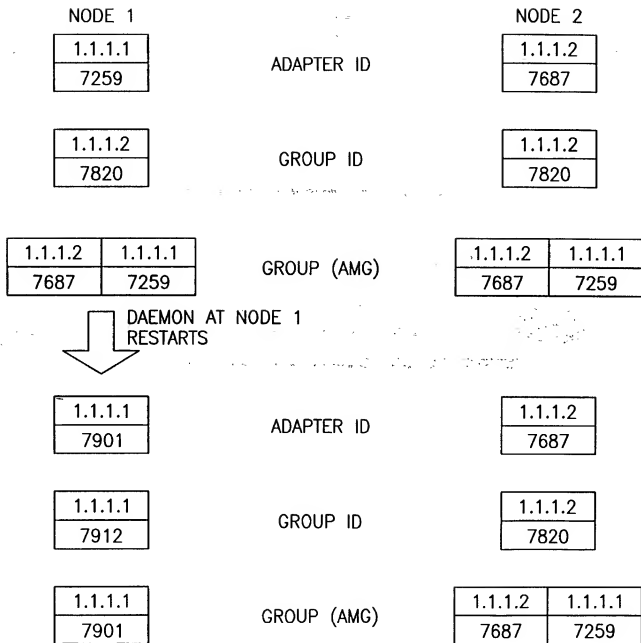
| |
|---------|
| 1.1.1.3 |
| 15389 |

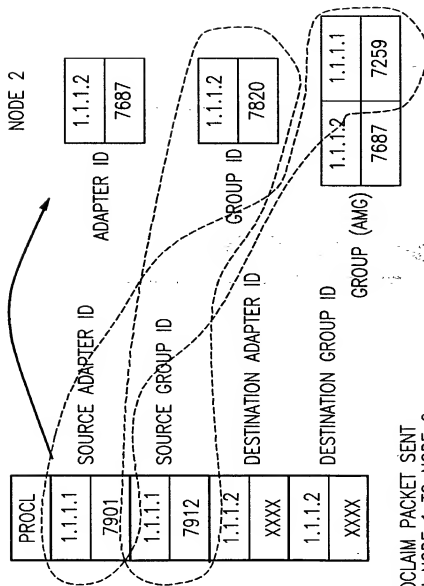
| |
|---------|
| 1.1.1.3 |
| 15389 |

FIG.9

| |
|------------------------|
| MESSAGE TYPE |
| SOURCE ADAPTER ID |
| SOURCE GROUP ID |
| DESTINATION ADAPTER ID |
| DESTINATION GROUP ID |
| PAYLOAD |

FIG.10

**FIG.11**



PROCLAIM PACKET SENT
FROM NODE 1 TO NODE 2

FIG.12





NODE 3 (GL)

| | | |
|---------|---------|---------|
| 1.1.1.3 | 1.1.1.2 | 1.1.1.1 |
| 7687 | 7259 | 7228 |

ADAPTER ID

NODE 2

| | |
|---------|---------|
| 1.1.1.2 | 1.1.1.1 |
| 7687 | 7228 |

GROUP ID

| | | |
|---------|---------|---------|
| 1.1.1.3 | 1.1.1.2 | 1.1.1.1 |
| 7820 | 7259 | 7228 |

GROUP (AMG)

| | | |
|---------|---------|---------|
| 1.1.1.3 | 1.1.1.2 | 1.1.1.1 |
| 7687 | 7259 | 7228 |

| | | |
|---------|---------|---------|
| 1.1.1.3 | 1.1.1.2 | 1.1.1.1 |
| 7687 | 7259 | 7228 |

LAST_STABLE_GROUP

| | | |
|---------|---------|---------|
| 1.1.1.3 | 1.1.1.2 | 1.1.1.1 |
| 7687 | 7259 | 7228 |

| | | |
|---------|---------|---------|
| 1.1.1.3 | 1.1.1.2 | 1.1.1.1 |
| 7687 | 7259 | 7228 |

COMMUNICATION GLITCH
IN NODE 3'S ADAPTER.

FIG.14g

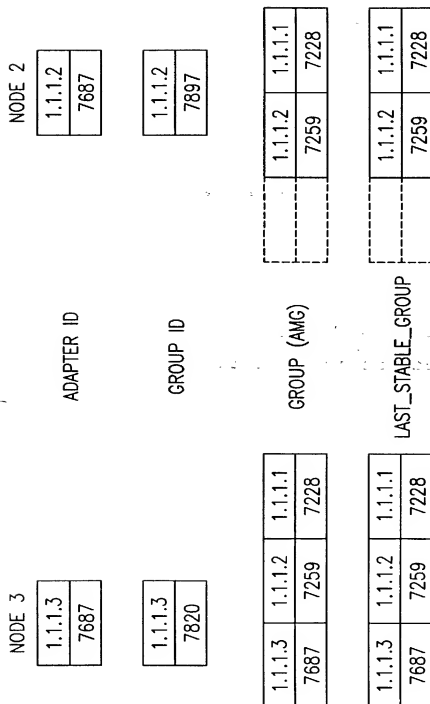


FIG.14b

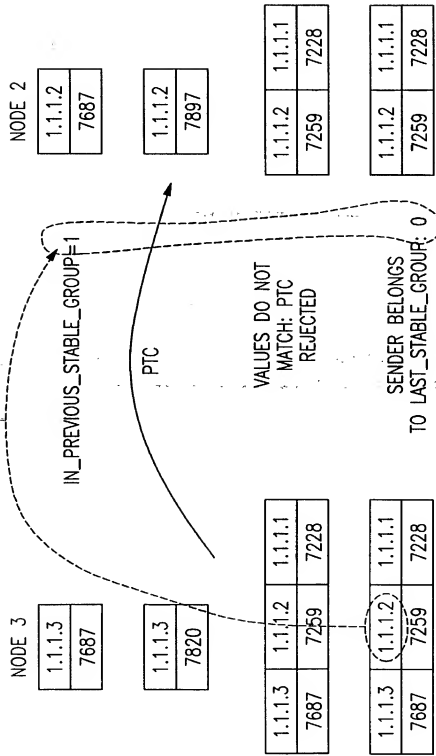
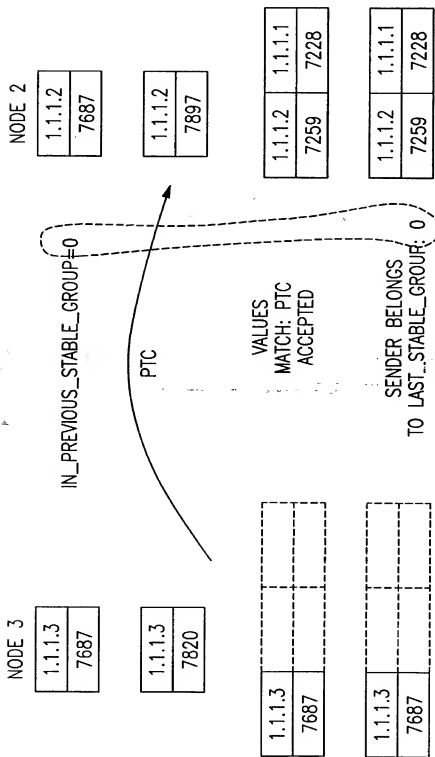


FIG. 14c

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**FIG.14d**

NODE 3 (GL)

| |
|---------|
| 1.1.1.3 |
| 7687 |

ADAPTER ID

GROUP ID

| |
|---------|
| 1.1.1.3 |
| 7820 |

GROUP (AMG)

| | | |
|---------|---------|---------|
| 1.1.1.3 | 1.1.1.2 | 1.1.1.1 |
| 7687 | 7259 | 7228 |

LAST_STABLE_GROUP

| | | |
|---------|---------|---------|
| 1.1.1.3 | 1.1.1.2 | 1.1.1.1 |
| 7687 | 7259 | 7228 |

NODE 1

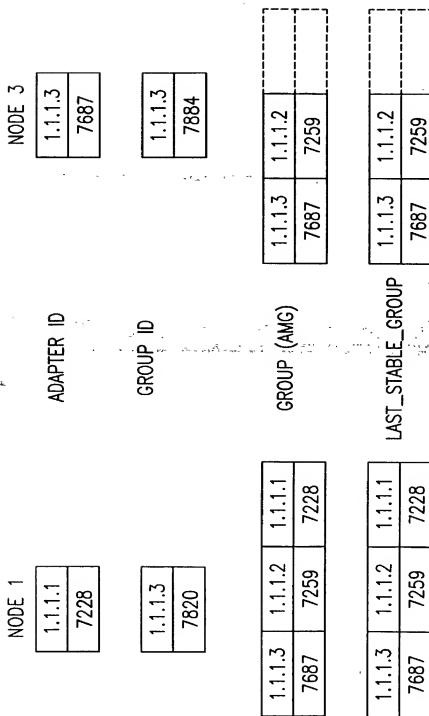
| |
|---------|
| 1.1.1.1 |
| 7228 |

| |
|---------|
| 1.1.1.3 |
| 7820 |

| | | |
|---------|---------|---------|
| 1.1.1.3 | 1.1.1.2 | 1.1.1.1 |
| 7687 | 7259 | 7228 |

| | | |
|---------|---------|---------|
| 1.1.1.3 | 1.1.1.2 | 1.1.1.1 |
| 7687 | 7259 | 7228 |

COMMUNICATION GLITCH
IN NODE 1'S ADAPTER.**FIG.15a**

**FIG. 15b**

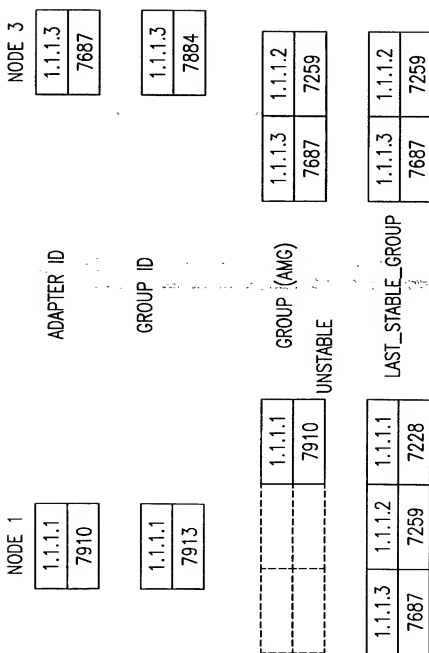


FIG.15c



